

Title (en)

Sealing body and needle for a fluid injection valve

Title (de)

Dichtkörper und Nadel für ein Flüssigkeitseinspritzventil

Title (fr)

Corps d'étanchéité et aiguille destinée à une soupape d'injection de fluide

Publication

**EP 2811149 A1 20141210 (EN)**

Application

**EP 13170696 A 20130605**

Priority

EP 13170696 A 20130605

Abstract (en)

The invention relates to a sealing body (110) for a valve needle of a fluid injection valve for opening and closing a fluid outlet side of the fluid injection valve, wherein the sealing body (110) is primarily made from a body of rotation with respect to a longitudinal axis (L), wherein at least one partial outer surface (114, 116) of the sealing body (110) deviates from an outline of the body of rotation partially constituting an outer rotational surface (112) of the sealing body (110). Further, the invention relates to a valve needle and a valve body assembly of a fluid injection valve, having the sealing body. Furthermore, the invention relates to a fuel injection valve for an intake manifold or an internal combustion engine of a motor vehicle, comprising the sealing body.

IPC 8 full level

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CPC (source: EP)

**F02M 51/0678** (2013.01); **F02M 51/0682** (2013.01); **F02M 61/188** (2013.01); **F02M 61/1893** (2013.01)

Citation (search report)

- [X] EP 2461013 A1 20120606 - KEIHIN CORP [JP]
- [X] DE 10357760 A1 20050728 - BOSCH GMBH ROBERT [DE]

Designated contracting state (EPC)

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DOCDB simple family (publication)

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